

## EAST Search History

S50	1	(mcdowell).xp. and (hegler).in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/14 16:52
S51	1	"10999635"	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/14 16:52
S52	1	"10999635"	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/14 17:00
S53	2	("6159597" "5882563").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/15 07:19
S54	1	"4193962".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/15 07:19
S55	1	S54 and (solution)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/15 07:20
S56	0	S54 and (coagulation coagulate)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/15 07:20
S57	2	"5945054".pn.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/08/22 13:18
S58	1	"10500713"	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/08/22 14:44
S59	1	"10/500713"	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/08/22 13:18
S60	2	"20050179162"	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/08/22 13:20
S61	2	"4702876".pn.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/08/22 13:29

## EAST Search History

S62	4	("5468555" "5618479" "6159597" "5882563").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 13:30
S63	51	("3414645"   "3616183"   "3700544"   "3704971"   "3780149"   "3839140"   "3847524"   "3873072"   "3969559"   "3988883"   "4016236"   "4059949"   "4293516"   "4308374"   "4320081"   "4406850"   "4439487"   "4457974"   "4473617"   "4485055"   "4867925"   "4943481"   "5092381"   "5094690"   "5104599"   "5121992"   "5147135"   "5151390"   "5225489"   "5246776"   "5352518"   "5436398"   "5534113").PN. OR ("5468555"   "5618479"   "5882563"   "6159597").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 13:46

## EAST Search History

S64	426	("1941808"   "2369395"   "2386173"   "2461094"   "2931091"   "2987797"   "2989798"   "3023455"   "3063966"   "3068188"   "3092892"   "3103732"   "3154609"   "3156607"   "3192295"   "3219320"   "3227792"   "3232910"   "3240760"   "3244785"   "3262153"   "3315021"   "3316612"   "3329557"   "3344472"   "3354125"   "3414645"   "3453689"   "3458390"   "3459846"   "3480706"   "3489641"   "3500498"   "3526571"   "3538544"   "3551279"   "3551535"   "3570059"   "3593513"   "3604197"   "3607611"   "3622264"   "3634576"   "3638921"   "3640964"   "3642944"   "3658634"   "3671542"   "3673143"   "3684540"   "3700957"   "3718534"   "3767756"   "3781399"   "3803453"   "3807917"   "3817941"   "3849242"   "3850888"   "3869429"   "3966686"   "4018735"   "4045417"   "4075172"   "4075269"   "4118534"   "4169932"   "4172938").PN. OR ("3414645"   "3616183"   "3700544"   "3704971"   "3780149"   "3839140"   "3847524"   "3873072"   "3969559"   "3988883"   "4016236"   "4059949"   "4293516"   "4308374"   "4320081"   "4406850"   "4439487").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 13:47
-----	-----	--	------------------------------	----	----	------------------

## EAST Search History

S65	748	("20020146563"   "20030087092"   "2289860"   "2439772"   "2761658"   "2817155"   "2863888"   "2866499"   "2939201"   "2939202"   "2948927"   "2954587"   "2989798"   "3068204"   "3115745"   "3117906"   "3118011"   "3154611"   "3262153"   "3328341"   "3338992"   "3341394"   "3361859"   "3378056"   "3399259"   "3408277"   "3415051"   "3418200"   "3489641"   "3491178"   "3502763"   "3509013"   "3536803"   "3542615"   "3550369"   "3551279"   "3554263"   "3558760"   "3568249"   "3570235"   "3577308"   "3584339"   "3595738"   "3608148"   "3616183"   "3621088"   "3639573"   "3644572"   "3645819"   "3657062"   "3658634"   "3669788"   "3679368"   "3679541"   "3681910"   "3692618"   "3695327"   "3716317"   "3718534"   "3725192"   "3726955"   "3728072"   "3769541"   "3780149"   "3786018"   "3802817"   "3803453"   "3812897"   "3827932"   "3843609"   "3846507"   "3849044"   "3849241"   "3880407"   "3889028"   "3900676"   "3900678"   "3901989"   "3930103"   "3939636"   "3955022"   "3963678"   "3969559"   "3973068"   "3987139"   "3993834"   "3998988"   "4017249"   "4017580"   "4032117"   "4041203"   "4045534"   "4045949"   "4056652"   "4057597"   "4059949"   "4066587"   "4066620"   "4067948"   "4069363"   "4075262"   "4075378"   "4076700"   "4085182"   "4093479"   "4115989"   "4118534"   "4122070"   "4123476"   "4124673"   "4127158"   "4129677"   "4130545"   "4134882"   "4138194"   "4140844"   "4143200"   "4145473"   "4145532"   "4154881"   "4161500"   "4163030"   "4163078"   "4180617").PN. OR ("4191656"   "4195051"   "4196282"   "4197063"   "4207376"   "4224269"   "4246221"   "4261945"   "4263691"   "4264484"   "4269888"   "4274709"   "4278623"   "4278634"   "4286005"   "4297412"   "4297413"   "4297877"   "4300972"   "4302507"   "4303423"   "4303607"	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 13:48
8/23/2007 7:19:40 AM		C:\Documents and Settings\jwoolschlager\My Documents\EAST Workspaces\10500713.wsp				Page 9

## EAST Search History

S66	1103	S64 S65	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 13:49
S67	697	S66 and (spin\$3 spinning)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 13:49
S68	494	S66 and (spin\$3 spinning) and (coagulant\$3 coagulat\$3 solution gel)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 13:52
S69	76	S66 and (spin\$3 spinning) and (coagulant\$3 coagulat\$3 solution gel) and (isotropic\$3 anisotropic\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 13:53
S70	7	S66 and (spin\$3 spinning) and (coagulant\$3 coagulat\$3 solution gel) and (isotropic\$3 anisotropic\$3) and (turbulen\$3 turbulence vortex\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 13:56
S71	958792	S66 and (spin\$3 spinning) and (coagulant\$3 coagulat\$3 solution gel) aand (turbulen\$3 turbulence vortex\$3 wavy wav\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 13:56
S72	101	S66 and (spin\$3 spinning) and (coagulant\$3 coagulat\$3 solution gel) and (turbulen\$3 turbulence vortex\$3 wavy wav\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 14:09

## EAST Search History

S73	183	("1933587"   "1934618"   "2131810"   "2179181"   "2222797"   "2228155"   "2284028"   "2447994"   "2703433"   "2736920"   "2798252"   "2957748"   "2958593"   "3002804"   "3079219"   "3084384"   "3086050"   "3088793"   "3118012"   "3299469"   "3412191"   "3414645"   "3532677"   "3558761"   "3589956"   "3619452"   "3642706"   "3667886"   "3686049"   "3687759"   "3691004"   "3751546"   "3767756"   "3787372"   "3824050"   "3836346"   "3837988"   "3858386"   "3869430"   "3944522"   "3969462"   "3976411"   "3996321"   "4038357"   "4052146"   "4078034"   "4080143"   "4115048"   "4144080"   "4145391"   "4189338"   "4211819"   "4227350"   "4234655"   "4243576"   "4251200"   "4252590"   "4261943"   "4269888"   "4285646"   "4305703"   "4308374"   "4309332"   "4320081"   "4340559"   "4351683"   "4374978"   "4384022"   "4406850"   "4419317"   "4440711"   "4469540"   "4500384"   "4526597"   "4552603"   "4601649"   "4610925"   "4631215"   "4634485"   "4643750"   "4712988"   "4713290"   "4804511"   "4836507"   "4838774"   "4839439"   "4850836"   "4859516"   "4893439"   "4912169"   "4913757"   "4956236"   "4985304"   "4990297"   "5025591"   "5030496"   "5082720"   "5094690"   "5200261"   "5208105"   "5230905"   "5252284"   "5252396"   "5254303"   "5274035"   "5318845"   "5336552"   "5346756"   "5405698"   "5453466"   "5468807"   "5474820"   "5478643"   "5486419").PN. OR ("4073837"   "4702876"   "4818458"   "5650112"   "5945054"   "5972463"   "6080482").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 14:08
S74	21	S73 and (spin\$3 spinning) and (coagulant\$3 coagulat\$3 solution gel) and (turbulen\$3 turbulence vortex\$3 wavy wav\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 14:14

## EAST Search History

S75	18	S74 not S72	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 14:09
S76	70	("2246990"   "2453839"   "2975024"   "2988418"   "3002804"   "3210452"   "3412191"   "3767756"   "3842151"   "3869429"   "3946094"   "3996321"   "4078034"   "4298565"   "4340559"   "4446089"   "4971539"   "5178814"   "5234651"   "5252284"   "5589125"   "5650112"   "5658524").PN. OR ("3996321"   "4078034"   "4340559"   "4836507"   "5984655").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 14:14
S77	25	S76 and (spin\$3 spinning) and (coagulant\$3 coagulat\$3 solution gel) and (turbulen\$3 turbulence vortex\$3 wavy wav\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 14:15
S78	15	S77 not S75	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 14:15
S79	10	S78 not S72	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 14:15
S80	2	("2975024").URPN.	USPAT	OR	ON	2007/08/22 14:17
S81	7535	(264/178R-178F).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 14:17
S82	2071	(425/67,69,70,71).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 14:18
S83	529	S81 and S82	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 14:18
S84	20	S83 and (bath liquid) same (wav\$3 undulat\$3 vortex\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 14:18
S85	60	S83 and (bath liquid) same (wav\$3 undulat\$3 vortex\$3 turbulenc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 14:29

## EAST Search History

S86	199	(264/172.16).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 14:30
S87	96	(264/172.16).ccls. and (bath coagulant coagulat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 14:30
S88	92	(264/172.16).ccls. and (bath coagulant coagulat\$3) and (spin spinning gel solution wet)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 14:36
S89	11587	(264/172.16,178R-178F).ccls. (425/66,67,69,70,71,72.1,72.2). ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 14:41
S90	3086	S89 and (coagulant coagulat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 14:36
S91	2969	S89 and (coagulant coagulat\$3) and (bath spin spinning)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 14:37
S92	425	S89 and (coagulant coagulat\$3) and (bath spin spinning) and (vortex\$3 vortec\$3 turbulen\$4 turbulenc\$3 wav\$3 undulat\$3 offset\$3 shift\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 14:38
S93	372	S89 and (coagulant coagulat\$3) and (bath spin spinning) and (vortex\$3 vortec\$3 turbulen\$4 turbulenc\$3 wav\$3 undulat\$4 offset\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 14:41
S94	12565	(264/172.16,178R-178F).ccls. (425/66,67,69,70,71,72.1,72.2, 464).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 14:41
S95	378	S94 and (coagulant coagulat\$3) and (bath spin spinning) and (vortex\$3 vortec\$3 turbulen\$4 turbulenc\$3 wav\$3 undulat\$4 offset\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 14:49
S96	364	S94 and (coagulant coagulat\$3) same (bath spin spinning) and (vortex\$3 vortec\$3 turbulen\$4 turbulenc\$3 wav\$3 undulat\$4 offset\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 14:42



## EAST Search History

S97	0	S58 and bottom	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/08/22 14:51
S98	0	S58 and (aperture open\$3)	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/08/22 14:47
S99	437	S94 and (coagulant coagulat\$3) and (bath spin spinning) and (vortex\$3 vortec\$3 turbulen\$4 turbulenc\$3 wav\$3 undulat\$4 offset\$3 vibrat\$3 vibration\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 14:50
S10 0	138	S94 and (coagulant coagulat\$3) and (bath spin spinning) and (vortex\$3 vortec\$3 turbulen\$4 turbulenc\$3 wav\$3 undulat\$4 offset\$3 vibrat\$3 vibration\$2) near7 (surface bath coagulant liquid fluid)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 15:43
S10 1	1	10/500713	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/08/22 14:51
S10 2	1	S101 and bottom	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/08/22 14:51
S10 3	400	S94 and (coagulant coagulat\$3) and (bath spin spinning) and (vortex\$3 vortec\$3 turbulen\$4 turbulenc\$3 wav\$3 undulat\$4 offset\$3 vibrat\$3 vibration\$2 calm smooth) near7 (surface bath coagulant liquid fluid)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 15:45
S10 4	361	S94 and (coagulant coagulat\$3) and (bath spin spinning) and (vortex\$3 vortec\$3 turbulen\$4 turbulenc\$3 wav\$3 undulat\$4 offset\$3 vibrat\$3 vibration\$2 calm smooth) near4 (surface bath coagulant liquid fluid)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/08/22 15:45
S10 5	3	("3050775").URPN.	USPAT	OR	ON	2007/08/22 15:53
S10 6	5	("3161706").URPN.	USPAT	OR	ON	2007/08/22 15:55